

Title (en)
NEGATIVE ELECTRODE FOR NON-AQUEOUS ELECTROLYTE SECONDARY CELL AND METHOD FOR MANUFACTURE THEREOF, AND
NON-AQUEOUS ELECTROLYTE SECONDARY CELL

Title (de)
NEGATIVELEKTRODE FÜR EINE SEKUNDÄRZELLE MIT WASSERFREIEM ELEKTROLYT UND VERFAHREN ZU IHRER HERSTELLUNG UND
SEKUNDÄRZELLE MIT WASSERFREIEM ELEKTROLYT

Title (fr)
ELECTRODE NEGATIVE POUR ELEMENT D'ACCUMULATEUR SECONDAIRE A ELECTROLYTE NON AQUEUX ET PROCEDE DE
FABRICATION DE CET ELECTRODE, ET ELEMENT D'ACCUMULATEUR SECONDAIRE A ELECTROLYTE NON AQUEUX

Publication
EP 1566855 A1 20050824 (EN)

Application
EP 03812300 A 20031125

Priority

- JP 0315044 W 20031125
- JP 2002348990 A 20021129
- JP 2003031636 A 20030207
- JP 2003105797 A 20030409
- JP 2003278615 A 20030723
- JP 2003290726 A 20030808
- JP 2003360938 A 20031021

Abstract (en)
Disclosed is a negative electrode for a nonaqueous secondary battery comprised of a current collector and an active material structure containing an electro-conductive material having low capability of forming a lithium compound on at least one side of the current collector, the active material structure containing 5 to 80% by weight of active material particles containing a material having high capability of forming a lithium compound. The active material structure preferably has an active material layer containing the active material particles and a surface coating layer formed on the active material layer. <IMAGE>

IPC 1-7
H01M 4/02; H01M 4/38; H01M 4/64; H01M 4/04; H01M 10/40

IPC 8 full level
H01M 4/134 (2010.01); **H01M 4/1395** (2010.01); **H01M 4/38** (2006.01); **H01M 4/02** (2006.01); **H01M 4/36** (2006.01); **H01M 4/40** (2006.01); **H01M 4/62** (2006.01); **H01M 10/052** (2010.01); **H01M 10/36** (2010.01)

CPC (source: EP KR US)
H01M 4/13 (2013.01 - KR); **H01M 4/134** (2013.01 - EP US); **H01M 4/1395** (2013.01 - EP US); **H01M 4/366** (2013.01 - EP US); **H01M 4/38** (2013.01 - EP KR US); **H01M 4/386** (2013.01 - EP US); **H01M 4/387** (2013.01 - EP US); **H01M 10/052** (2013.01 - KR); **H01M 4/405** (2013.01 - EP US); **H01M 4/624** (2013.01 - EP US); **H01M 10/052** (2013.01 - EP US); **H01M 2004/027** (2013.01 - EP US); **Y02E 60/10** (2013.01 - EP)

Cited by
EP2009146A1; EP2126159A4; EP1952458A4; US10141120B2; US9362550B2; WO2008154926A1; WO2014195324A3

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1566855 A1 20050824; **EP 1566855 A4 20090624**; AU 2003302519 A1 20040623; BR 0315457 A 20050823; BR 0315457 B1 20120626; KR 100680650 B1 20070208; KR 20050075449 A 20050720; US 2005208379 A1 20050922; US 2006051675 A1 20060309; US 7811709 B2 20101012; WO 2004051768 A1 20040617

DOCDB simple family (application)
EP 03812300 A 20031125; AU 2003302519 A 20031125; BR 0315457 A 20031125; JP 0315044 W 20031125; KR 20057009763 A 20050530; US 2873505 A 20050105; US 52948705 A 20050328